

	L #	Hits	Search Text	DBs	Time Stamp
1	L3	14987	biolumines\$ or fluorescen\$ near4 protein\$1 or luciferase\$1 or photoprotein\$1	USPAT; US-PGPUB	2003/02/24 15 09
2	L4	13461 5	bubble\$	USPAT, US-PGPUB	2003/02/24 15 10
3	L5	878	3 and 4	USPAT, US-PGPUB	2003/02/24 15 10
4	L6	15	3 same 4	USPAT; US-PGPUB	2003/02/24 17 01
5	L7	68310	toy or novelty	USPAT, US-PGPUB	2003/02/24 15 40
6	L8	30	5 and 7	USPAT, US-PGPUB	2003/02/24 15 40
7	L9	17	3 same 7	USPAT; US-PGPUB	2003/02/24 17:01

PGPUB-DOCUMENT-NUMBER: 20030013103

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030013103 A1

TITLE: Apparatus and method for detecting and identifying infectious agents

PUBLICATION-DATE: January 16, 2003

US-CL-CURRENT: 435/6,356/319 ,435/287.2 ,435/7.9

APPL-NO: 10/ 126139

DATE FILED: April 19, 2002

RELATED-US-APPL-DATA:

child 10126139 A1 20020419 parent division-of 08990103 19971212 US GRANTED  
parent-patent 6458547 US non-provisional-of-provisional 60037675 19970211 US  
non-provisional-of-provisional 60033745 19961212 US

#### RELATED APPLICATIONS

[0001] This application claims priority under 35 U.S.C. .sctn.119(e) to U.S. Provisional application Serial No. 60/037,675, filed Feb. 11, 1997 and to U.S. Provisional application Serial No. 60/033,745, filed Dec. 12, 1996. [0002] Certain subject matter in this application is related to subject matter in U.S. application Ser. No. 08/757,046, filed Nov. 25, 1996, to Bruce Bryan entitled "BIOLUMINESCENT NOVELTY ITEMS" (B), and to U.S. application Ser. No. 08/597,274, filed Feb. 6, 1996, to Bruce Bryan, entitled "BIOLUMINESCENT NOVELTY ITEMS". This application is also related to U.S. application Ser. No. 08/908,909, filed Aug. 8, 1997, to Bruce Bryan entitled "DETECTION AND VISUALIZATION OF NEOPLASMS AND OTHER TISSUES" and to U.S. Provisional application Serial No. 60/023,374, filed Aug. 8, 1996, entitled "DETECTION AND VISUALIZATION OF NEOPLASMS AND OTHER TISSUES", and also to published International PCT application No. WO 97/.. [0003] The subject matter of each of the above noted U.S. applications, provisional applications and International application is herein incorporated by reference in its entirety.

PGPUB-DOCUMENT-NUMBER: 20020132318

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020132318 A1

TITLE: Fluorescent proteins

PUBLICATION-DATE: September 19, 2002

US-CL-CURRENT: 435/183,435/320.1 ,435/325 ,435/69.1 ,530/350 ,536/23.2

APPL-NO: 10/ 060857

DATE FILED: January 29, 2002

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60264932 20010129 US

#### CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application claims priority under 35 U.S.C. .sctn. 119(e) from provisional application 60/264,932 filed Jan. 29, 2001. The contents of this application are incorporated herein by reference.

PGPUB-DOCUMENT-NUMBER: 20020090659

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020090659 A1

TITLE: Detection and visualization of neoplastic tissues and other tissues

PUBLICATION-DATE: July 11, 2002

US-CL-CURRENT: 435/7.23,424/9.6

APPL-NO: 09/ 746485

DATE FILED: December 22, 2000

RELATED-US-APPL-DATA:

child 09746485 A1 20001222 parent continuation-of 08908909 19970808 US UNKNOWN

#### RELATED APPLICATIONS

[0001] This application is a continuation of allowed U.S. application Ser. No. 08/908,909, filed Aug. 8, 1997 to Bruce Bryan, entitled "DETECTION AND VISUALIZATION OF NEOPLASTIC TISSUES AND OTHER TISSUES." This application and U.S. application Ser. No. 08/908,909 claim the benefit of priority under 35 U.S.C. .sctn. 119(e) to U.S. provisional application Ser. No. 60/023,374 to Bruce Bryan, filed Aug. 8, 1996, and entitled DETECTION AND VISUALIZATION OF NEOPLASMS AND OTHER TISSUES. [0002] Subject matter in this application is related to subject matter in allowed U.S. application Ser. No. 08/597,274 to Bruce Bryan, filed Feb. 6, 1996, entitled "BIOLUMINESCENT NOVELTY ITEMS", and U.S. application Ser. No. 08/757,046 to Bruce Bryan, filed Nov. 25, 1996, now U.S. Pat. No. 5,876,995, entitled "BIOLUMINESCENT NOVELTY ITEMS". The subject matter of each of U.S. application Ser. No. 08/597,274 and U.S. application Ser. No. 08/757,046, and U.S. provisional application Ser. No. 60/023,374 is herein incorporated in its entirety by reference thereto.

PGPUB-DOCUMENT-NUMBER: 20020004942

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020004942 A1

TITLE: Bioluminescent novelty items

PUBLICATION-DATE: January 10, 2002

US-CL-CURRENT: 800/288

APPL-NO: 09/ 803211

DATE FILED: March 8, 2001

RELATED-US-APPL-DATA:

child 09803211 A1 20010308 parent continuation-of 09444762 19991122 US PENDING  
child 09444762 19991122 US parent continuation-of 09135988 19980817 US GRANTED  
parent-patent 6152358 US child 09444762 19991122 US parent continuation-of  
08757046 19961125 US GRANTED parent-patent 5876995 US child 09444762 19991122  
US parent continuation-of 08597274 19960206 US GRANTED parent-patent 6247995 US  
non-provisional-of-provisional 60079624 19980327 US  
non-provisional-of-provisional 60089367 19980615 US

RELATED APPLICATIONS

[0001] This application is a continuation of U.S. application Ser. No. 09/444,762 to Bruce Bryan, filed Nov. 22, 1999, entitled "BIOLUMINESCENT NOVELTY ITEMS." This application is also continuation of U.S. application Ser. No. 09/135,988 to Bruce Bryan, filed Aug. 17, 1998, now U.S. Pat. No. 6,152,358, entitled "BIOLUMINESCENT NOVELTY ITEMS." This application is also continuation-in-part of U.S. application Ser. No. 08/757,046 to Bruce Bryan, filed Nov. 25, 1996, now U.S. Pat. No. 5,876,995, entitled "BIOLUMINESCENT NOVELTY ITEMS." This application is also a continuation-in-part of U.S. application Ser. No. 08/597,274, now allowed, to Bruce Bryan, filed Feb. 6, 1996, entitled "BIOLUMINESCENT NOVELTY ITEMS". [0002] U.S. application Ser. No. 09/444,762 is a continuation of U.S. application Ser. No. 09/135,988, which is a continuation-in-part of U.S. application Ser. No. 08/757,046, which is a continuation-in-part of U.S. application Ser. No. 08/597,274. The subject matter of each of U.S. application Ser. Nos. 09/135,988, 08/597,274 and 08/757,046 is herein incorporated in its entirety by reference thereto. This application is also related to provisional application Ser. Nos. 60/079,624 and 60/089,367. The disclosures of each of the above noted patents, applications and provisional applications is incorporated herein by reference thereto.

PGPUB-DOCUMENT-NUMBER: 20010036073

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010036073 A1

TITLE: Carvable decorative gourd

PUBLICATION-DATE: November 1, 2001

US-CL-CURRENT: 362/154,362/122 ,362/124 ,362/808

APPL-NO: 09/ 838616

DATE FILED: April 19, 2001

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60198429 20000419 US

RELATED APPLICATIONS

[0001] This application is a continuation-in-part application of the provisional application entitled "Carvable Decorative Gourd", Serial No. 60/1908,429, filed Apr. 19, 2000,

US-PAT-NO: 6458547

DOCUMENT-IDENTIFIER: US 6458547 B1

TITLE: Apparatus and method for detecting and identifying infectious agents

DATE-ISSUED: October 1, 2002

US-CL-CURRENT: 435/7.1; 356/215 ; 356/222 ; 356/317 ; 422/57 ; 422/58  
; 422/82.05 ; 422/82.08 ; 435/288.7 ; 435/6 ; 435/808 ; 435/973 ; 435/975  
; 436/172 ; 436/527 ; 436/805

APPL-NO: 08/ 990103

DATE FILED: December 12, 1997

PARENT-CASE:

RELATED APPLICATIONS This application claims priority under 35 U.S.C.  
.sctn.119(e) to U.S. Provisional application Ser. No. 60/037,675, filed Feb.  
11, 1997 and to U.S. Provisional application Ser. No. 60/033,745, filed Dec.  
12, 1996.

US-PAT-NO: 6436682

DOCUMENT-IDENTIFIER: US 6436682 B1

TITLE: Luciferases, fluorescent proteins, nucleic acids encoding the luciferases and fluorescent proteins and the use thereof in diagnostics, high throughput screening and novelty items

DATE-ISSUED: August 20, 2002

US-CL-CURRENT: 435/189; 124/74 ; 124/76 ; 222/1 ; 42/54 ; 435/183 ; 446/473

APPL-NO: 09/ 609161

DATE FILED: June 30, 2000

PARENT-CASE:

RELATED APPLICATIONS This application is a divisional of U.S. application Ser. No. 09/277,716, filed Mar. 26, 1999 to Bruce Bryan and Christopher Szent-Gyorgyi, entitled "LUCIFERASES, FLUORESCENT PROTEINS, NUCLEIC ACIDS ENCODING THE LUCIFERASES AND FLUORESCENT PROTEINS AND THE USE THEREOF IN

DIAGNOSTICS, HIGH THROUGHPUT SCREENING AND NOVELTY ITEMS." Now U.S. Pat. No.

6,232,107, filed May 15, 2001. This application also claims priority to U.S.

provisional application Ser. No. 60/102,939, filed Oct. 1, 1998, to Bruce

Bryan and Christopher Szent-Gyorgyi, entitled "LUCIFERASES, FLUORESCENT PROTEINS, NUCLEIC ACIDS ENCODING THE LUCIFERASES AND FLUORESCENT PROTEINS AND

THE USE THEREOF IN DIAGNOSTICS, HIGH THROUGHPUT SCREENING AND NOVELTY ITEMS".

Priority is also claimed to U.S. provisional application Serial No.

60/089,367, filed Jun. 15, 1998, to Bruce Bryan and Christopher Szent-Gyorgyi,

entitled "GAUSSIA LUCIFERASE, NUCLEIC ACIDS ENCODING THE LUCIFERASE AND METHODS

USING THE LUCIFERASE", and to U.S. provisional application Serial No.

60/079,624, filed Mar. 27, 1998, to Bruce Bryan and Christopher Szent-Gyorgyi,

entitled "RENILLA GREEN FLUORESCENT PROTEIN COMPOSITIONS AND METHODS."

Benefit

of priority to each of these applications is claimed under 35 U.S.C.

.sctn.119(e). This application is also related to subject matter in U.S.

application Ser. No. 08/757,046, filed Nov. 25, 1996, to Bruce Bryan entitled

"BIOLUMINESCENT NOVELTY ITEMS", now U.S. Pat. No. 5,876,995, issued Mar. 2,

1999, and in U.S. application Ser. No. 08/597,274, filed Feb. 6, 1996, to

Bruce Bryan, entitled "BIOLUMINESCENT NOVELTY ITEMS". This application is also

related to U.S. application Ser. No. 08/908,909, filed Aug. 8, 1997, to

Bruce Bryan entitled "DETECTION AND VISUALIZATION OF NEOPLASTIC TISSUE AND

OTHER TISSUES". The application is also related to U.S. application Ser. No.

08/990,103, filed Dec. 12, 1997, to Bruce Bryan entitled "APPARATUS AND



of each of the above noted U.S. applications and provisional applications is herein incorporated by reference in its entirety.

US-PAT-NO: 6416960

DOCUMENT-IDENTIFIER: US 6416960 B1

TITLE: Detection and visualization of neoplastic tissues and other tissues

DATE-ISSUED: July 9, 2002

US-CL-CURRENT: 435/7.23; 424/130.1 ; 424/133.1 ; 424/138.1 ; 424/141.1

APPL-NO: 08/ 908909

DATE FILED: August 8, 1997

PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATIONS This application claims the benefit of priority under 35 U.S.C. .sctn.119(e) to U.S. provisional application Ser. No. 60/023,374 to Bruce Bryan, filed Aug. 8, 1996, and entitled DETECTION AND VISUALIZATION OF NEOPLASMS AND OTHER TISSUES.

US-PAT-NO: 6247995

DOCUMENT-IDENTIFIER: US 6247995 B1

TITLE: Bioluminescent novelty items

DATE-ISSUED: June 19, 2001

US-CL-CURRENT: 446/473; 124/74 ; 124/76 ; 222/1 ; 42/54 ; 435/189

APPL-NO: 08/ 597274

DATE FILED: February 6, 1996

US-PAT-NO: 6245427

DOCUMENT-IDENTIFIER: US 6245427 B1

TITLE: Non-ligand polypeptide and liposome complexes as intracellular delivery vehicles

DATE-ISSUED: June 12, 2001

US-CL-CURRENT: 428/402.2; 424/9.321 ; 435/458 ; 530/350 ; 530/363 ; 536/23.1

APPL-NO: 09/ 111265

DATE FILED: July 6, 1998

US-PAT-NO: 6232107

DOCUMENT-IDENTIFIER: US 6232107 B1

TITLE: Luciferases, fluorescent proteins, nucleic acids encoding the luciferases and fluorescent proteins and the use thereof in diagnostics, high throughput screening and novelty items

DATE-ISSUED: May 15, 2001

US-CL-CURRENT: 435/189; 435/183 ; 435/252.2 ; 435/320.1 ; 435/6 ; 435/69.1 ; 435/8

APPL-NO: 09/ 277716

DATE FILED: March 26, 1999

PARENT-CASE:

RELATED APPLICATIONS This application claims priority to U.S. provisional application Ser. No. 60/102,939, filed Oct. 1, 1998, to Bruce Bryan and Christopher Szent-Gyorgyi, entitled "LUCIFERASES, FLUORESCENT PROTEINS, NUCLEIC ACIDS ENCODING THE LUCIFERASES AND FLUORESCENT PROTEINS AND THE USE THEREOF IN DIAGNOSTICS, HIGH THROUGHPUT SCREENING AND NOVELTY ITEMS". Priority is also claimed to U.S. provisional application Ser. No.60/089,367, filed Jun. 15, 1998, to Bruce Bryan and Christopher Szent-Gyorgyi, entitled "GAUSSIA LUCIFERASE, NUCLEIC ACIDS ENCODING THE LUCIFERASE AND METHODS USING THE LUCIFERASE", and to U.S. provisional application Ser. No.60/079,624, filed Mar. 27, 1998, to Bruce Bryan and Christopher Szent-Gyorgyi, entitled "RENILLA GREEN FLUORESCENT PROTEIN COMPOSITIONS AND METHODS." For U.S. purposes, benefit of priority to each of these applications is claimed under 35 U.S.C. .sctn.119(e). This application is also related to subject matter in U.S. application Ser. No. 08/757,046, filed Nov. 25, 1996, to Bruce Bryan entitled "BIOLUMINESCENT NOVELTY ITEMS", now U.S. Pat. No. 5,876,995, issued Mar. 2, 1999, and in U.S. application Ser. No. 08/597,274, filed Feb. 6, 1996, to Bruce Bryan, entitled "BIOLUMINESCENT NOVELTY ITEMS". This application is also related to U.S. application Ser. No. 08/908,909, filed Aug. 8, 1997, to Bruce Bryan entitled "DETECTION AND VISUALIZATION OF NEOPLASTIC TISSUE AND OTHER TISSUES". The application is also related to U.S. application Ser. No. 08/990,103, filed Dec. 12, 1997, to Bruce Bryan entitled "APPARATUS AND METHODS FOR DETECTING AND IDENTIFYING INFECTIOUS AGENTS". The subject matter of each of the above noted U.S. applications and provisional applications is herein incorporated by reference in its entirety.

US-PAT-NO: 6152358  
DOCUMENT-IDENTIFIER: US 6152358 A

TITLE: Bioluminescent novelty items

DATE-ISSUED: November 28, 2000

US-CL-CURRENT: 229/87.19; 435/189 ; 493/955

APPL-NO: 09/ 135988

DATE FILED: August 17, 1998

PARENT-CASE:

RELATED APPLICATIONS This application is a continuation-in-part of U.S. application Ser. No. 08/757,046 to Bruce Bryan, filed Nov. 25, 1996, entitled "BIOLUMINESCENT NOVELTY ITEMS," now U.S. Pat. No. 5,876,995. This application is also a continuation-in-part of U.S. application Ser. No. 08/597,274 to Bruce Bryan, filed Feb. 6, 1996, entitled "BIOLUMINESCENT NOVELTY ITEMS". U.S. application Ser. No. 08/757,046 is a continuation-in-part of U.S. application Ser. No. 08/597,274. The subject matter of each of U.S. application Ser. No. 08/597,274 and U.S. application Ser. No. 08/757,046 is herein incorporated in its entirety by reference thereto. The disclosures of each of the above noted applications and provisional application is incorporated herein by reference thereto.

US-PAT-NO: 6113886  
DOCUMENT-IDENTIFIER: US 6113886 A

TITLE: Bioluminescent novelty items

DATE-ISSUED: September 5, 2000

US-CL-CURRENT: 424/49; 424/63 ; 424/64 ; 424/69 ; 424/70.1 ; 424/70.6  
; 424/70.7 ; 424/78.02 ; 424/94.4 ; 435/189 ; 510/119 ; 510/135 ; 510/392  
; 510/481

APPL-NO: 09/ 447208

DATE FILED: November 22, 1999

PARENT-CASE:

RELATED APPLICATIONS This application is a divisional of U.S. application Ser. No. 09/135,988 to Bruce Bryan, filed Aug. 17, 1998, entitled "BIOLUMINESCENT NOVELTY ITEMS." This application is also continuation-in-part of U.S. application Ser. No. 08/757,046, now U.S. Pat. No. 5,876,995, to Bruce Bryan, filed Nov. 25, 1996, entitled "BIOLUMINESCENT NOVELTY ITEMS." This application is also a continuation-in-part of U.S. application Ser. No. 08/597,274, now allowed, to Bruce Bryan, filed Feb. 6, 1996, entitled "BIOLUMINESCENT NOVELTY ITEMS". U.S. Pat. No. 09/135,988 is a continuation-in-part of U.S. application Ser. No. 08/757,046, which is a continuation-in-part of U.S. application Ser. No. 08/597,274. The subject matter of each of U.S. application Ser. Nos. 09/135,988, 08/597,274 and 08/757,046 is herein incorporated in its entirety by reference thereto. This application is also related to provisional application Ser. Nos. 60/079,624 and 60/089,367. The disclosures of each of the above noted applications and provisional applications is incorporated herein by reference thereto.

US-PAT-NO: 5931383  
DOCUMENT-IDENTIFIER: US 5931383 A

TITLE: Self-illuminated drinking straw

DATE-ISSUED: August 3, 1999

US-CL-CURRENT: 239/33

APPL-NO: 09/ 017992

DATE FILED: February 3, 1998



US-PAT-NO: 5876995  
DOCUMENT-IDENTIFIER: US 5876995 A

TITLE: Bioluminescent novelty items

DATE-ISSUED: March 2, 1999

US-CL-CURRENT: 435/189; 426/104 ; 426/250 ; 426/262 ; 426/268 ; 426/383  
: 426/422 ; 426/540 ; 426/590 ; 426/592 ; 426/656 ; 426/66 ; 530/350

APPL-NO: 08/ 757046

DATE FILED: November 25, 1996

PARENT-CASE:

RELATED APPLICATIONS This application is a continuation-in-part of U.S. application Ser. No. 08/597,274 to Bruce Bryan, filed Feb. 6, 1996, entitled "BIOLUMINESCENT NOVELTY ITEMS". The subject matter of U.S. application Ser. No. 08/597,274 is herein incorporated in its entirety by reference thereto.

US-PAT-NO: 5554035

DOCUMENT-IDENTIFIER: US 5554035 A

TITLE: Bioluminescent algae in light bulb shaped viewing device

DATE-ISSUED: September 10, 1996

US-CL-CURRENT: 434/297; 119/245

APPL-NO: 08/ 269696

DATE FILED: July 1, 1994

US-PAT-NO: 5403221

DOCUMENT-IDENTIFIER: US 5403221 A

TITLE: Aerial toy with short axis rotational ascent and long axis rotational descent

DATE-ISSUED: April 4, 1995

US-CL-CURRENT: 446/45; 446/36

APPL-NO: 08/ 090712

DATE FILED: July 13, 1993

PGPUB-DOCUMENT-NUMBER: 20020132318

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020132318 A1

TITLE: Fluorescent proteins

PUBLICATION-DATE: September 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Zhao, Ming	San Diego	CA	US	
Xu, Mingxu	La Jolla	CA	US	
Jiang, Ping	San Diego	CA	US	
Yang, Meng	San Diego	CA	US	

APPL-NO: 10/ 060857

DATE FILED: January 29, 2002

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60264932 20010129 US

US-CL-CURRENT: 435/183,435/320.1 ,435/325 ,435/69.1 ,530/350 ,536/23.2

ABSTRACT:

Improved forms of fluorescent protein with high fluorescence and low toxicity are disclosed.

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application claims priority under 35 U.S.C. .sctn. 119(e) from provisional application 60/264,932 filed Jan. 29, 2001. The contents of this application are incorporated herein by reference.

----- KWIC -----

Summary of Invention Paragraph - BSTX:

[0004] The above documents, each of which is incorporated herein by reference in its entirety, demonstrate that variations in the amino acid sequence of a **protein which exhibits fluorescence** upon excitation with radiation of shorter wavelength than the fluorescent wavelength provide a range of color choice and intensity. The **fluorescent proteins** have found wide use both in scientific

only requirements for fluorescence are irradiation with a suitable wavelength and because the fluorescence is visible to the naked eye, these proteins have proved convenient markers and have inspired whimsical applications.

PGPUB-DOCUMENT-NUMBER: 20010036073

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010036073 A1

TITLE: Carvable decorative gourd

PUBLICATION-DATE: November 1, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Trease, Christine K.	Price	UT	US	

APPL-NO: 09/ 838616

DATE FILED: April 19, 2001

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60198429 20000419 US

US-CL-CURRENT: 362/154,362/122 ,362/124 ,362/808

ABSTRACT:

An artificial hollow carvable gourd shaped as a pumpkin, squash, or other fruit or vegetable, having an outer carvable shell, which encases fake "innards and seeds" made of edible candy, and including a prize, contained therein to provide a more realistic gourd container.

RELATED APPLICATIONS

[0001] This application is a continuation-in-part application of the provisional application entitled "Carvable Decorative Gourd", Serial No. 60/1908,429, filed Apr. 19, 2000,

----- KWIC -----

Summary of Invention Paragraph - BSTX:

[0007] Cited for general interest is Bryan, U.S. Pat. No. 5,876,995, which discloses bioluminescent novelty items, which can have a Halloween theme.

US-PAT-NO: 6245427

DOCUMENT-IDENTIFIER: US 6245427 B1

TITLE: Non-ligand polypeptide and liposome complexes as intracellular delivery vehicles

DATE-ISSUED: June 12, 2001

INVENTOR-INFORMATION

NAME	CITY	STATE	ZIP CODE	COUNTRY
Duzgunes; Nejat	Mill Valley	CA	94941	N/A
Simoës; Sergio	3000 Coimbra	N/A	N/A	PT
Slepushkin; Vladimir	Coralville	IA	52241	N/A
Pedras de Lima; Maria C.	3000 Coimbra	N/A	N/A	PT

APPL-NO: 09/ 111265

DATE FILED: July 6, 1998

US-CL-CURRENT: 428/402.2; 424/9.321; 435/458; 530/350; 530/363; 536/23.1

ABSTRACT:

The present invention discloses compositions and methods of using intracellular delivery vehicles for delivery and transfection of DNA, RNA, polypeptides, genes, proteins, drugs and biologically active agents into cells in vitro and in vivo. The vehicle comprises a mixture of a liposome and a polypeptide lacking specificity for cellular receptors. In another embodiment, a method for intracellular delivery of biologically active agents comprising combining a non-receptor-binding protein and a liposome, incubating the mixture for a period of time, adding the biologically active agent, incubating again, and finally, introducing the resulting mixture to the cell. Preferably, the liposome is a cationic liposome. The charge ratio of cationic liposome to DNA can effectively be varied from 2:1 to 1:2. Preferably, the non-receptor-binding protein is the serum albumin of the animal source of the cell to be transfected. This invention is an improvement over, and offers several advantages compared to, previously disclosed cationic liposomal delivery vehicles which utilize receptor ligands.

41 Claims, 9 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 9

----- KWIC -----

Detailed Description Text - DETX:

These results suggest that a correlation between transfection activity (level of luciferase expression) and transfection efficiency (the percentage of cells transfected) can be established in this system. It should be noted that the experiments were not designed to maximize the efficiency of transfection, but to explore the ability to use non-ligand proteins such as HSA, along with various +/-charge ratios, in transfection activity. Therefore, the efficiency of transfection shown herein may not reflect the utility or novelty of the invention.



US-PAT-NO: 5931383

DOCUMENT-IDENTIFIER: US 5931383 A

TITLE: Self-illuminated drinking straw

DATE-ISSUED: August 3, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Palmer; William R.	Cameron Park	CA	N/A	N/A
Palmer; Stephen L.	Cameron Park	CA	N/A	N/A

APPL-NO: 09/ 017992

DATE FILED: February 3, 1998

US-CL-CURRENT: 239/33

ABSTRACT:

The instant invention provides for illuminated drinking straws which employ chemiluminescent mixtures as lighting sources. The illuminated drinking straw may be used with either hot or cold beverage such as water, fruit juices, soft drinks, coffees and teas, milk products or alcoholic beverages. A new and exciting drinking straw for amusement purposes is intended.

24 Claims, 23 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 12

----- KWIC -----

Brief Summary Text - BSTX:

Other non-incandescent, chemical means of producing light which may be advantageously employed include bioluminescent systems, or alternately, chemiluminescent systems based on dioxetanes or other chemiluminescent reagents. **Toy and novelty** applications which utilizes bioluminescent systems are taught in PCT-WO 97/29319.

US-PAT-NO: 5554035

DOCUMENT-IDENTIFIER: US 5554035 A

TITLE: Bioluminescent algae in light bulb shaped viewing device

DATE-ISSUED: September 10, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gooch, Van D.	Morris	MN	56267	N/A

APPL-NO: 08/ 269696

DATE FILED: July 1, 1994

US-CL-CURRENT: 434/297; 119/245

ABSTRACT:

The present invention relates to an apparatus for viewing luminescence of algae. The apparatus comprises bioluminescent, dinoflagellate algae, an aqueous solution in which the bioluminescent algae can live, and a translucent light bulb shaped container for holding the bioluminescent algae in the aqueous solution.

8 Claims, 1 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

----- KWIC -----

Brief Summary Text - BSTX:

The present invention relates generally to an educational and novelty device for viewing bioluminescent algae. In particular, the present invention relates to a light bulb shaped viewing device containing bioluminescent algae.

Detailed Description Text - DETX:

The preferred algae, Pyrocystis, used in the present invention have never been implicated as one of the dinoflagellates involved in shell fish poisoning as described by Karen A. Steidinger & Daniel G. Baden, Toxic Marine Dinoflagellates, in DINOFLAGELLATES 201-61 (David Spector, ed., 1984). If one

invention, it is highly unlikely that there would be a sufficiently high concentration of toxins to have a detrimental effect. For purposes of incorporating the bioluminescent algae into a novelty item, no species that was known to be involved in shell fish poisoning is used.

US-PAT-NO: 5403221

DOCUMENT-IDENTIFIER: US 5403221 A

TITLE: Aerial toy with short axis rotational ascent and long axis rotational descent

DATE-ISSUED: April 4, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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APPL-NO: 08/ 090712

DATE FILED: July 13, 1993

US-CL-CURRENT: 446/45; 446/36

ABSTRACT:

An aerial toy designed to maintain an aerodynamic profile during ascent by rotating around its shortest axis and having a shape which naturally predicts it to rotate around its longest axis during descent. The body of the invention consists of generally flat, thin, and lightweight, rigid construction (10) with an aerodynamic tapering edge (12). The body has a height that is longer than its width, and one half of the body height has more surface area than the other half.

13 Claims, 6 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

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Claims Text - CLTX:

11. The aerial toy of claim 10 wherein said lighting means is chosen from the group consisting of bioluminescent chemicals, luminescent paint, and light emitting diodes.